

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 8
2. AMENDMENT/MODIFICATION NO. <b>58</b>	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY John F. Kennedy Space Center, NASA Procurement Office – ODIN – OP-OS-ODIN Kennedy Space Center, FL 32899	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)  OAO Corporation 7375 Executive Place Seabrook, MD 20706-2278		(x)	9A. AMENDMENT OF SOLICITATION NO.  9B. DATED (SEE ITEM 11)  10A. MODIFICATION OF CONTRACT/ORDER NO.  <b>NAS5-98144/NNK050A12D</b>  10B. DATED (SEE ITEM 13)  December 1, 2004
CODE	FACILITY CODE		
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS			
<p>[ ] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [ ] is extended, [ ] is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:</p> <p>(a) By completing Items 8 and 15, and returning ____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p>			
12. ACCOUNTING AND APPROPRIATION DATA (If required)			

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.	
	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
<b>X</b>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: <b>NAS5-98144 Contract Clause C.7 Technology Refreshment Process and FAR Clause 52.212-4 Contract Terms and Conditions-Commercial Items, (c) Changes</b>
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor [ ] is not, [ **X** ] is required to sign this document and return 1 copies to the issuing office.

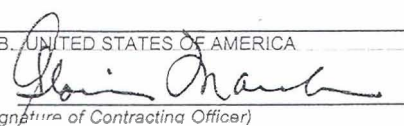
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

**Stennis Space Center --- ODIN SERVICES**

**Technology Infrastructures: Incorporation of 6 Infrastructure Upgrades Previously Approved Utilizing Fast Track Process**

**Change in Delivery Order Price: \$88,771.91 (INCREASE)**

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) Martha E. Knox Contracts Manager	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Gloria Marsh Contracting Officer
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 3/30/06
16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 3/31/06

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30-105

STANDARD FORM 30 (Rev. 10-83)  
Prescribed by GSA  
FAR (48 CFR) 53.243

1. In accordance with Master Contract NAS5-98144, C.7, Technology Infusion (Infrastructure), the infusion services referenced below are hereby incorporated into this Delivery Order at a fixed price of \$88,771.91.

<b>FT Approval Date</b>	<b>SWR/Description</b>	<b>Amount</b>
1/9/2006	<b>NSS1 ITCC 00</b> An enhancement to the SSC Telecommunications infrastructure is required to accommodate expanded/increased accessibility for installation of the NASA Shared Services Center, Centergy Call system	\$ 15,540.87
2/8/2006	<b>NSS1 X500 00</b> Create a separate and distinct Organizational Unit in the X500 server located at B1201 for the NASA Shared Services Center	\$ 1,051.16
2/15/2006	<b>NSS1 1UP3 00</b> Remove and reinstall existing Cat5e wiring in order for new smaller cubicles to be installed in room M224/M225 of B5100 for NSSC; install (22) network and (1) telephone jacks in room M207; install (22) network and (1) telephone jacks in room M204; install (30) network and (30) telephone jacks in room M208; install (20) network and (20) telephone jacks in M205/.M206	\$ 49,992.59
3/3/2006	<b>P203 6TMP 07</b> One system administration person to attend PatchLink conference from 04/03/06 to 04/07/06 in Scottsdale, Arizona for 6 days including travel, hotel, Per Diem, shuttle to and from airport and personal car mileage	\$ 1,955.01
3/7/2006	<b>WRSN 0602 00</b> Install 6-pair copper cable from B8110 to Whitesell Green trailer located on the west end of B8100 to be used to extend (2) 689 telephone numbers from B1201 to support the contractor while he is reworking B8100 high bay area	\$ 3,770.83
3/7/2006	<b>KTR4 6ENV 00</b> Install (9) spans of 12mm/24sm fiber cable to replace fiber that was damaged by Hurricane Katrina near B9801	\$ 16,461.45
	<b>TOTAL</b>	<b>\$ 88,771.91</b>

**2. SWR NSS1 ITCC 00**

The contractor shall provide the labor (including, but not limited to, engineering, configuration management, user coordination/scheduling, wiring/cabling (IEEE 802.3, EIA/TIA Building Wiring Standards, National Electric Code, and Fire Protection Code, as applicable), and equipment installation and materials necessary to accommodate expanded/increased accessibility for installation of the NASA Shared Services Center, Centergy Call Center system as outlined in OAO proposal dated December 23, 2005. This work will include testing, labeling, and configuration documentation (red line drawings).

a. The contractor shall be responsible for performance of the following tasks:

- (1) Provide Aastra Intecom technical assistance, as required, with the placement and interfacing of the Centergy Call Center server to the NASA network and the PointSpan telephone switch.
- (2) Provide, via OWEB generated from NSSC representative, PC workstations and network connections to the NASA Stennis' network.
- (3) Provide jack placement, via Oweb generated from NSSC representative, for customer ordered Central Office line or Direct Inward Dial (DID) line for modem access to the Centergy server.
- (4) Identify and provide adequate space in existing racks for the Centergy server in bldg 1201 PBX area.
- (5) Utilize existing UPS, battery backup and environmental controls as available with NASA Stennis approval. NSSC will fund any enhancements if required.
- (6) Install and maintain virus software and operating system updates to the Centergy server, non-inclusive of the Centergy Call Center software.
- (7) Monitor and report project advancement based on Aastra Intecom's project schedule.
- (8) Create Memo Of Understanding (MOU) between NSSC and OAO for Areas of Responsibility regarding maintenance and operation of the ACD functions for the Call Center.

b. The material to be provided in conjunction with the above service is as follows:

- (1) Spare IVC Card (885-0005-314)

c. Schedule: The completion of this effort shall be 4 weeks after receipt of Fast Track approval (January 9, 2006).

**3. SWR NSS1 X500 00**

The contractor shall provide the labor for configuration management, user coordination/scheduling, and equipment installation necessary to create a separate and distinct Organizational Unit in the X500 server located at B1201 for the NASA Shared Services Center, as outlined in OAO proposal dated February 1, 2006.

- a. The contractor shall be responsible for performance of the following tasks:
  - (1) Shall coordinate with Dominique Kreeger (MSFC/UNITeS) in creating Organizational Unit and making sure replication works between SSC and the NASA root X500 server.
  - (2) Populate with existing NSSC users.
- b. No materials are required for this effort.
- c. Schedule: The completion of this effort shall be 2 weeks after receipt of Fast Track approval (February 8, 2006).

#### 4. SWR NSS1 IUP3 00

The contractor shall provide the labor (including, but not limited to, engineering, configuration management, user coordination/scheduling, wiring/cabling (IEEE 802.3, EIA/TIA Building Wiring Standards, National Electric Code, and Fire Protection Code, as applicable), and equipment installation and materials necessary to remove and reinstall existing Cat5e wiring in order for new smaller cubicles to be installed in room M224/M225 of B5100 for NSSC; install (22) network and (1) telephone jacks in room M207; install (22) network and (1) telephone jacks in room M204; install (30) network and (30) telephone jacks in room M208; install (20) network and (20) telephone jacks in M205/M206. To be provided as outlined in OAO proposal dated February 14, 2006. This work shall include testing, labeling, and configuration documentation (red line drawings).

- a. The contractor shall be responsible for performance of the following tasks:
  - (1) Remove existing Cat5e wiring from (34) cubicles so they can be removed and new smaller cubicles can be installed in room M225.
  - (2) Reinstall existing Cat5e wiring that was removed in item (1) above once (34) of the (45) new cubicles are installed in room M225.
  - (3) Install (4) Cat5e wires to (11) additional cubicles in room M225. Two will be used for networks and (2) for telephones.
  - (4) Install (1) 24-port Cat5e patch panel in one of the server cabinets located outside of MER242 and (1) 24-port Cat5e patch panel in MER242.
  - (5) Install (24) Cat5e wires from room MER245 between the 24-port Cat5e patch panels that were installed in item (4) above.
  - (6) Install (2) 48-port patch panels in existing equipment rack in room MER245 to support (60) new Cat5e wires being installed.
  - (7) Install (4) 48-port Cat5e patch panels in room MER242 to support (174) new Cat5e wires being installed.
  - (8) Install (1) 300-pair 110 block and terminate the (60) new Cat5e telephone wires in room MER245.
  - (9) Install (2) 300-pair 110 blocks and terminate the (122) new Cat5e telephone wires in room MER242.
  - (10) Install Caddy J-hooks above the ceilings to hold wires.
  - (11) Install (2) Cat5e wires to (7) locations in room M204.
  - (12) Install (4) Cat5e wires to (2) locations in room M205/M206. Two will be used for networks and (2) for telephones.
  - (13) Install (2) Cat5e wires to (19) locations in room M207 to be used with networks.
  - (14) Install (4) Cat5e wires to (30) locations in room M208. Two will be used for networks and (2) for telephones.
  - (15) Install (4) Cat5e wires to (30) locations in room M213/M214. Two will be used for networks and (2) for telephones.

- (16) Install (5) cable management panels above and below the Cat5e patch panels in MER245 and (6) in MER242.
- (17) Install (110) TracJack surface mount boxes in the new cubicles in rooms M205/M206, M208, M213/M214, & M225.
- (18) Reinstall jacks in call center once CBI has new power poles installed.
- (19) Install (3) Cat5 wires to server cabinets to be used for telephones lines.
- (20) Test and label Cat5e wires at both ends.
- (21) Provide ODIN with a redline drawing showing jack numbers and locations.

b. The contractor shall provide the following materials:

- (1) 50,000 feet of Berk-Tek Cat5e plenum wire (CMP-00424LAN-6U-01)
- (2) 238 each Ortronics TracJack (248938) gray
- (3) 234 each Ortronics TracJack (248920) white
- (4) 160 each Systimax 14 feet Cat5e patch cord (MM14-AV6-10)
- (5) 110 each Ortronics TracJack surface mount boxes (192461)
- (6) 100 each Systimax 5 feet Cat5e patch cord (MM05-AV6-10)
- (7) 100 each Velcro ties
- (8) 90 each Caddy J-hooks (184873)
- (9) 60 each Systimax 7 feet Cat5e patch cord (MM07-AV6-10)
- (10) 60 each Systimax 4 feet Cat5e patch cords (MM04-AV6-10)
- (11) 26 each Ortronics Trac Jack faceplate (189457)
- (12) 26 each Caddy clips (157703)
- (13) 24 packs Systimax 110C-4 connectors (073039)
- (14) 11 each Ortronics wire management panels (248950)
- (15) 6 each Ortronics 48-port Cat5e patch panel (248952)
- (16) 3 each Systimax 110AW2-300 pair wiring block (154071)
- (17) 2 each Ortronics 24-port Cat5e patch panels (248950)
- (18) 1 each Panduit deep outlet box (207082)

c. Schedule: The completion of this effort shall be 6 weeks after receipt of Fast Track approval (February 15, 2006).

#### **5. SWR P203 6TMP 07**

The contractor shall send one (1) system administration person to attend the PatchLink Conference and meeting from April 2, 2006 to April 7, 2006, in Scottsdale, Arizona, as outlined in OAO proposal dated February 15, 2006.

a. The contractor shall be responsible for performance of the following task:

- (1) ODIN will send one (1) system administration person to attend the PatchLink Conference and meeting in Scottsdale, Arizona from April 2 through April 7, 2006.

b. No materials are required for this effort.

c. Schedule: The completion of this effort shall be no later than April 7, 2006.

**6. SWR WRSN 0602 00**

The contractor shall provide the labor (including, but not limited to, engineering, configuration management, user coordination/scheduling, wiring/cabling (IEEE 802.3, EIA/TIA Building Wiring Standards, National Electric Code, and Fire Protection Code, as applicable), and equipment installation and materials necessary to install 6-pair copper cable from B8110 to Whitesell Green trailer located on the west end of B8100. This is to be used to extend (2) 689 telephone numbers from B1201 to support the contractor while he is reworking B8100 high bay area, and as outlined in OAO proposal dated January 30, 2006. This work will include testing, labeling, and configuration documentation (red line drawings).

a. The contractor shall be responsible for performance of the following tasks:

- (1) Install (1) 6-pair station protector on side of trailer and connect existing station wires.
- (2) Install (1) 6-pair cable from room 111 in B8110 out thru existing duct bank to the last manhole west of B8110 and bring cable up thru existing inner duct with existing fiber on power pole.
- (3) Install (1) 6-pair aerial drop from power pole to pole next to trailer and run under trailer to 6-pair protector that was installed in item (1) above.
- (4) Install (1) 6-pair station protector inside of room 111 of B8110 and terminate 6-pair cable.
- (5) Ground station protectors to an approved ground.
- (6) Test and label cabling at both ends.
- (7) Provide ODIN with a redline drawing showing the route taken for the temporary cable.
- (8) Install (1) POTS circuit card in existing UMC in B1201 and (1) POTS card in existing UMC in B8100.
- (9) Place cross connects in B1201, B8100 and B8110 to activate jacks in trailer.
- (10) Test to make sure circuits are working.

b. The materials to be provided in conjunction with the above service are as follows:

- (1) 450 feet of 6-pair buried copper cable (E-000624DFC)
- (2) 150 feet of 6-pair aerial drop wire (F06P22DAF)
- (3) 75 feet of 4-pair Cat3 PVC wire (CM-00424BBG-3U)
- (4) 10 feet of #6 ground wire
- (5) 2 each 109 wirevise (003302)
- (6) 2 each 6-pair station protector (177930)
- (7) 1 pack of Premier black cable ties (739308)
- (8) 1 each RST POTS channel unit (0110-0148)
- (9) 1 each LET POTS channel unit (0110-0150)

c. Schedule: The completion of this effort shall be 4 weeks after receipt of Fast Track approval (March 7, 2006).

**7. SWR KTR4 6ENV 00**

The contractor shall provide the labor (including, but not limited to, engineering, configuration management, user coordination/scheduling, wiring/cabling (IEEE 802.3, EIA/TIA Building Wiring Standards, National Electric Code, and Fire Protection Code, as applicable), and equipment installation and materials necessary to install (9) spans of 12mm/24sm fiber cable to replace fiber that was damaged by Hurricane Katrina near B9801, as outlined in OAO proposal dated February 13, 2006. This work will include testing, labeling, and configuration documentation (red line drawings).

a. The contractor shall be responsible for performance of the following tasks:

- (1) Install (9) spans of 12mm/24sm fiber cable that was damaged by Hurricane Katrina near to B9801.
- (2) Terminate fiber into ST connectors and place in existing LGX panel in B9801.
- (3) Make one 36 fusion splice at pole.
- (4) Test and provide test results to ODIN.
- (5) Remove old fiber cable once new fiber cable has been cutover.

b. The material to be provided in conjunction with the above service is as follows:

- (1) 3,000 feet stainless steel lashing wire (003610)
- (2) 2,624 feet 12mm/24sm Corning fiber cable (036XW4-TBD)
- (3) 36 each cool cure consumables (142172)
- (4) 24 each P3020A-C-125 singlemode ST connector (157475)
- (5) 22 each stainless steel straps (039522)
- (6) 18 each lashing wire clamps (003230)
- (7) 12 each P2020C-C-125 multimode ST connector (170290)
- (8) 1 pack Corning fusion splice protectors (161239)
- (9) 1 each Corning splice closure with trays (212111)

c. Schedule: The completion of this effort shall be 8 weeks after receipt of Fast Track approval (March 7, 2006).

8. Part II "Contract Administration Data", Item 4, is revised as indicated below to incorporate the increase of \$88,771.91 for these infrastructure upgrades:

Month/Mod	Description	Monthly Total	Actual Total To Date
Feb-06	Ordered Seats and Services	\$ 420,301.55	\$ 6,011,530.91
Jan-06	Catalog Services	\$ 24,954.99	\$ 199,761.42
Jan-06	Specialized Services	\$ 39,339.82	\$ 234,725.91
	Infrastructure upgrades	\$ 304,722.67	\$ 1,855,031.66
	Fast Track Mods Authorized (but not incorporated by Mod)	\$ 88,771.91	\$ 88,771.91
	sub-total of ordered services	\$ 878,090.94	\$ 8,389,821.81
	Less facility credit	\$ -	\$ -
	Less outage credit	\$ -	\$ -
	Less retainage not earned	\$ -	\$ (8,825.54)
	<b>TOTAL</b>	\$ 878,090.94	\$ 8,380,996.27

9. Payment Schedule: Invoicing and Payment for this modification will be made in accordance with Master Contract NAS5-98144, FAR 52.212-4: Commercial Items (May 1997) (Modified).
10. Reporting requirements: The contractor shall provide monthly status reports to the SSC DOCOTR, with a copy to the DOCO. These reports shall include, as a minimum, installation progress, and potential problem areas.

11. In consideration of the modification agreed to herein as complete equitable adjustment for the changes set forth, the Contractor hereby releases the Government from any and all liability under this delivery order for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.
12. All other terms and conditions of this Delivery Order remain unchanged and in full force and effect.